

INVERTER TOPOLOGY FOR UTILITY-INTERACTIVE DISTRIBUTED GENERATION SOURCES

ABSTRACT OF THE DISCLOSURE

An inverter system for delivering energy from a source of direct current (dc) to an alternating current (ac) utility is provided. The inverter system comprises a dc/dc converter coupled to the source of dc for synthesizing a time-varying current from the dc, an output inductor coupled to the dc/dc converter, and an inverter coupled to the output inductor for supplying the time-varying current to the ac utility in phase with a voltage of the ac utility.